

CUFFLESS SYSTEM FOR MEASURING BLOOD PRESSURE

Abstract

The invention provides a device that measures a patient's blood pressure without using an inflatable cuff. The device includes an optical module featuring an optical source and a first optical sensor that generates a first set of information; a flexible, thin-film pressure sensor that generates a second set of information; and a processing module, configured to receive and process the first and second sets of information to calculate a time-dependent blood pressure value.